

# LIQUIBIT<sup>®</sup> - RS 1

WATER BASED RAPID SETTING EMULSION



IWL



## PRODUCT DESCRIPTION

Liquibit Rapid Setting 1 is a water based Bitumen Emulsion with low viscosity and quick setting times. This liquid is perfect for spray applications. Liquibit RS 1 strictly conforms to IS 8887:2018.

## USES

- Tack Coat
- Can be applied on wearing bituminous surfaces, primed bituminous surfaces and non bituminous surfaces

## ADVANTAGES

- Can be applied without the use of heat
- Has low temperature curing
- Quick setting time
- Excellent adhesion properties which prevents slipping of structural layers.
- Eco friendly
- Easy spray application

## APPLICATION PROCEDURE

### Surface Preparation

Surface preparation is the most important step before application of the Emulsion. Prior to the application of bituminous material, all loose dirt and other objectionable material shall be removed from the surface with a power brush.

## Application Guidelines

Liquibit RS 1 is generally used for Tack coat application. If the liquid is procured in barrels, each barrel must be laid on it's side and rolled gently, to and fro, to agitate the liquid and counter any minor settlement that might have occurred during storage. If the liquid has been stored in bulk, it may be gently agitated through circulation, prior to application. The Emulsion should be applied at ambient temperatures without dilution.

## COVERAGE

- Bituminous surface – 2 to 3 Kg per 10m<sup>2</sup>
- Primed granular surface – 2.5 to 3 Kg per 10m<sup>2</sup>
- Concrete pavement – 3 to 3.5 Kg per 10m<sup>2</sup>

## PACKAGING

200 kg barrel or as bulk.

## STORAGE

Liquibit RS 1 is preferred to be stored in vertical bulk tanks to minimise the surface area of the liquid. Do not allow the Bituminous Emulsion to either freeze or boil. Storage temperature should not be allowed to fall below 10°C or exceed 85°C.

## SAFETY PRECAUTIONS

Wear all necessary goggles, safety gloves, shoes, etc. while handling Emulsion. In case of any splashes on the skin or eyes, seek medical attention immediately.

## TECHNICAL SPECIFICATIONS

Properties	Test Method	Unit	RS 1
Residue on 600 micron IS sieve, Max	IS 8887:2018	%	0.05
Viscosity by Saybolt Furol Viscometer, @50°C, seconds:	IS 3117	Seconds	20 - 100
Coagulation at low temperature	IS 8887:2018	-	NIL
Storage Stability after 24 hrs, Max	IS 8887:2018	%	2
Particle Charge	IS 8887:2018	-	Positive
Miscibility with water	IS 8887:2018	-	No Coagulation
Test on residue:			
■ Residue by evaporation, Min	IS 8887:2018	%	60
■ Penetration at 25°C, 100g, 5 sec	IS 1203	1/10 mm	80 - 150
■ Ductility at 27°C, Min	IS 1208	cm	50
■ Solubility in trichloroethylene, percent by mass, Min	IS 1216	%	98



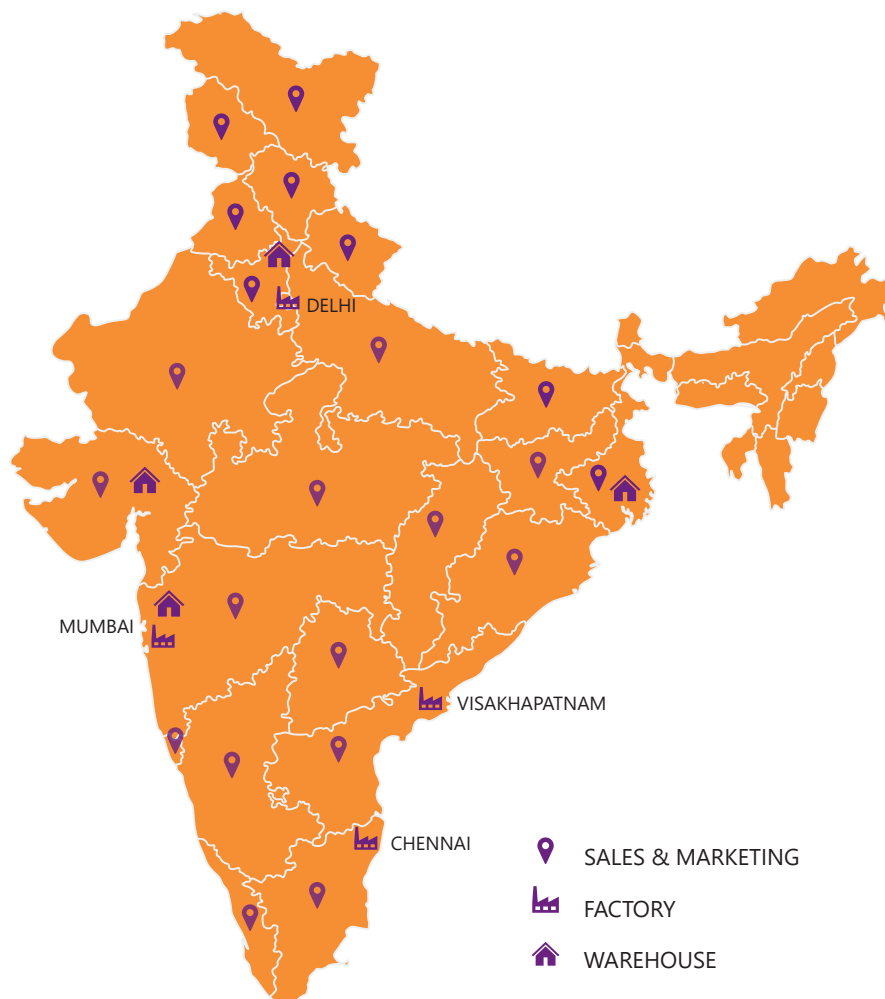
Poor Tack Coat VS Good Tack Coat

## WHO WE ARE

Founded in 1988, IWL India Private Limited is a well established manufacturing industry with multiple manufacturing facilities, warehouses and sales teams across India. This facilitates timely supply of high quality materials for the civil, road construction and pipeline industries. IWL also exports its products to several international customers.

In addition, IWL's well equipped R&D facilities can tailor make products to cater to specific needs of critical projects such as Metros, Nuclear Power Plants, Airports, Pipelines, etc. We are proud to contribute to the development of India's infrastructure and participate in its journey to becoming a developed country.

## OUR LOCATIONS



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ISO 9001 : 2015 Certified Company